

Ifw



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Attorney Docket No.: 1546.133US02

Knopp

Confirmation No.: 1443

Application No.: 10/827,109

Filed: April 19, 2004

Group Art Unit: 3744

For: METHODS FOR DETECTING SURGE IN CENTRIFUGAL COMPRESSORS

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed within three months of the U.S. filing date. No certification or fee is required.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	10/827,109
Filing Date	April 19, 2004
First Named Inventor	Knopp
Art Unit	3744
Examiner Name	
Attorney Docket Number	1546.133US02

Sheet 1 of 1

U.S. PATENT DOCUMENTS

EXAMINER INITIAL [*]	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code ² (if known)		
		US-2,696,345	12/07/1954	Hopper
		US-3,555,844	01/02/1969	Fleckenstein et al.
		US-4,046,490	12/01/1975	Rutshtein et al.
		US-4,151,725	07/18/1977	Kountz et al.
		US-RE30,329	05/31/1978	Rutshtein et al.
		US-4,265,589	06/18/1979	Watson et al.
		US-4,282,718	09/12/1979	Kountz et al.
		US-4,363,596	05/19/1980	Watson et al.
		US-4,464,720	02/12/1982	Agarwal
		US-4,581,900	12/24/1984	Lowe et al.
		US-4,686,834	06/09/1986	Haley et al.
		US-4,493,608	12/27/1982	Paul
		US-5,306,116	03/10/1993	Gunn et al.
		US-5,726,891	01/26/1994	Sisson et al.
		US-5,746,062	04/11/1996	Beaverson et al.
		US-5,873,257	09/11/1997	Peterson
		US-5,894,736	12/11/1997	Beaverson et al.
		US-5,971,712	05/22/1997	Kann
		US-6,202,431	01/15/1999	Beaverson et al.
		US-6,213,724	09/01/1999	Haugen et al.
		US-6,427,464	04/28/2000	Beaverson et al.
		US-6,513,333	05/23/2001	Sugitani
		US-20030161715 A1	02/26/2002	McKee et al.
		US-20020170304 A1	05/21/2002	Beaverson et al.
		US-20040031286 A1	08/04/2003	Bodell et al.
		US-		
		US-		
		US-		
		US-		
		US-		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

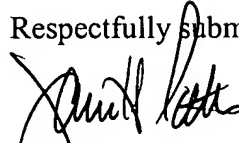
¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

Application No. 10/827,109

This application was filed after June 30, 2003; therefore, copies of cited U.S. patents and U.S. published applications are not included.

Respectfully submitted,



James H. Patterson
Registration No. 30,673

Customer No. 24113
Patterson, Thunte, Skaar & Christensen, P.A.
4800 IDS Center
80 South 8th Street
Minneapolis, Minnesota 55402-2100
Telephone: (612) 349-5741

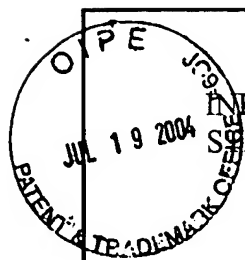
Please grant any extension of time necessary for entry; charge any fee due to Deposit Account No. 16-0631.

CERTIFICATE OF MAILING

I hereby certify that this document is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

07/15/04
Date of Deposit


James H. Patterson



Substitute for form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use as many sheets as necessary)

Complete if Known

Application Number	10/827,109
Filing Date	April 19, 2004
First Named Inventor	Knopp
Art Unit	
Examiner Name	
Attorney Docket Number	1546.133US02

Sheet

1

of

1

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code ² (if known)		
		US-2,696,345	12/07/1954	Hopper
		US-3,555,844	01/02/1969	Fleckenstein et al.
		US-4,046,490	12/01/1975	Rutshtein et al.
		US-4,151,725	07/18/1977	Kountz et al.
		US-RE30,329	05/31/1978	Rutshtein et al.
		US-4,265,589	06/18/1979	Watson et al.
		US-4,282,718	09/12/1979	Kountz et al.
		US-4,363,596	05/19/1980	Watson et al.
		US-4,464,720	02/12/1982	Agarwal
		US-4,581,900	12/24/1984	Lowe et al.
		US-4,686,834	06/09/1986	Haley et al.
		US-4,493,608	12/27/1982	Paul
		US-5,306,116	03/10/1993	Gunn et al.
		US-5,726,891	01/26/1994	Sisson et al.
		US-5,746,062	04/11/1996	Beaverson et al.
		US-5,873,257	09/11/1997	Peterson
		US-5,894,736	12/11/1997	Beaverson et al.
		US-5,971,712	05/22/1997	Kann
		US-6,202,431	01/15/1999	Beaverson et al.
		US-6,213,724	09/01/1999	Haugen et al.
		US-6,427,464	04/28/2000	Beaverson et al.
		US-6,513,333	05/23/2001	Sugitani
		US-20030161715 A1	02/26/2002	McKee et al.
		US-20020170304 A1	05/21/2002	Beaverson et al.
		US-20040031286 A1	08/04/2003	Bodell et al.
		US-		
		US-		
		US-		
		US-		
		US-		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.